Washington Latin -- Calculus

Take Home Opportunity -- Calculators

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**Unless stated otherwise, give all values rounded to two decimal places.**

1. What are the following rounded to three decimal places: (2 points each)

a. = b. 

c.  d. 

e.  f. *log742* =

2. Graph the function.

a. How many zeroes are there between *x = 2* and *x = 11*? Where (at what *x* - values) are those zeroes? (5 points)

3. Graph the function. 

a. Identify all of the functions zeroes. (3 points)

b. What minimums and maximums does the function have between *x = -10* and *x = 10 ?* Where are they and what are their values? (1 point each)

c. Where do the curves of *f(x)* (from problem 2) and *g(x) (*this problem)intersect ? Give both co-ordinates of the points of intersection. (1 point each)